

**IN THE SPECIFICATION:**

*a2* Page 1, line 10, change the heading to read BACKGROUND OF THE  
INVENTION--;

*a3* Page 3, line 12, change the heading to read -BRIEF DESCRIPTION OF THE  
INVENTION--

**IN THE DRAWINGS:**

With the approval of the Examiner Figs. 14 and 15 are to be amended by labeling the figures "PRIOR ART" as marked on the attached copies of the figures.

**IN THE CLAIMS:**

*✓* Please cancel claims 3, 8 and 9 without prejudice and amend claims 1, 2, 4-6, and 10 and add new claims 11-14 as follows:

*a4* 1. (Amended) A linear motor, comprising a movable unit in cylindrical shape having its central axis at the intersection of an X-axis and Y-axis, an inner yoke arranged at the inner side of the movable unit with a given spacing in the radial direction of the movable unit between said inner yoke and said movable unit, and being formed by laminating a multiple of thin plates each in approximately rectangular shape and having strong magnetic permeability in parallel to one of the X-axis or Y-axis, an outer yoke arranged at the outer side of the movable unit with a given spacing in a radial direction of the movable unit between said outer yoke and said movable unit, being formed by laminating a multiple of thin plates each in approximately rectangular shape and having strong magnetic permeability arranged in the same direction as the thin plates of the inner yoke, and forming a first magnetic pole, a second magnetic pole, and a third magnetic pole defined by two slots which are cut out in the laminating direction of the thin plates, a coil wound on the second magnetic pole of the outer yoke and for forming alternately different magnetic poles at the first magnetic pole, the second magnetic pole, and the third magnetic pole, a base for retaining the inner yoke and the outer yoke, bearings mounted on the base to be positioned at the center of X-axis and Y-axis, a pair of